

1     CLAIMS

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3     1.     Surface cleaning apparatus for cleaning a sheet  
4           material comprising a base unit and a roller  
5           cartridge removably insertable into said base  
6           unit, said roller cartridge comprising a  
7           cleaning roller and a co-operating adhesive  
8           roller wherein the respective rollers are  
9           mounted for relative movement between (i) a  
10          first non-operating position in which the  
11          cleaning roller and adhesive roller are  
12          separated; and (ii) a second operating position  
13          in which the cleaning roller abuts against the  
14          adhesive roller; and wherein the base unit and  
15          the roller cartridge are each provided with  
16          formations adapted to interact to produce said  
17          relative movement as the roller cartridge is  
18          inserted into and removed from the base unit.

19

20     2.     Surface cleaning apparatus according to  
21           claim 1, wherein the roller cartridge comprises  
22           a further opposed cleaning roller having a co-  
23           operating adhesive roller, the respective  
24           cleaning rollers being adapted for cleaning  
25           opposite surfaces of the sheet material.

26

27     3.     Surface cleaning apparatus according to claim 1  
28           or 2, wherein opposing walls extend from the  
29           base unit, said walls being adapted to receive  
30           and support opposing ends of the roller  
31           cartridge.

32

- 1     4.     Surface cleaning apparatus according any of  
2           claims 1 to 3, wherein at least one end of the  
3           roller cartridge is provided with a moveable  
4           plate comprising at least one cut-out portion,  
5           the or each cut-out portion defining a  
6           cartridge cam surface adapted to receive a  
7           bearing axle of an adhesive roller.  
8
- 9     5.     Surface cleaning apparatus according to  
10           claim 4 when dependent on claim 2, wherein the  
11           bearing axles are biased towards each other by  
12           a first resilient means.  
13
- 14    6.     Surface cleaning apparatus according to  
15           claims 4 or 5, wherein the moveable plate is  
16           slidably mounted for movement between a first  
17           position in which separation of the bearing  
18           axles is maximised and a second position in  
19           which the separation of the bearing axles is  
20           minimised; and wherein the moveable plate is  
21           biased towards said first position by a second  
22           resilient means.  
23
- 24    7.     Surface cleaning apparatus according to any of  
25           claims 4 to 6, wherein the interacting  
26           formations are respectively (i) at least one  
27           inclined slot formed in at least one wall of  
28           the base unit, the or each inclined slot  
29           defining a base unit cam surface; and (ii) at  
30           least one bearing member projecting from the or  
31           each moveable plate of the roller cartridge;

1           the or each bearing member adapted to bear on  
2           its corresponding base unit cam surface.

3  
4       8.    Surface cleaning apparatus according to  
5           claim 7 when dependent on claim 6, wherein the  
6           or each base unit cam surface is adapted to  
7           move its corresponding bearing member against  
8           the bias of the second resilient means upon  
9           progressive insertion of the roller cartridge  
10          into the base unit.

11  
12       9.   Surface cleaning apparatus according to  
13           claim 8 when dependent on claim 5, wherein the  
14           or each cartridge cam surface allows the first  
15           resilient means to move the bearing axles  
16           towards their minimum separation upon movement  
17           of the moveable plate against the bias of the  
18           second resilient means.

19  
20       10.   Surface cleaning apparatus according to any  
21           preceding claim, wherein the roller cartridge  
22           is adapted to be inserted vertically into the  
23           base unit.

24  
25       11.   Surface cleaning apparatus according to any of  
26           claims 1 to 9, wherein the roller cartridge is  
27           adapted to be inserted horizontally into the  
28           base unit.

29  
30       12.   Surface cleaning apparatus according to any of  
31           claims 7 to 10, wherein the longitudinal axis  
32           of the or each bearing member and the

1 rotational axis of the or each adhesive roller  
2 are respectively parallel.

3

4 13. Surface cleaning apparatus according to any of  
5 claims 7 to 9 and 11, wherein the longitudinal  
6 axis of the or each bearing member and the  
7 rotational axis of the or each adhesive roller  
8 are respectively perpendicular.

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10 14. Surface cleaning apparatus according to any  
11 preceding claim comprising a retaining means  
12 adapted to releasably retain the cleaning  
13 roller and the adhesive roller in the second  
14 operating position.

15

16 15. Surface cleaning apparatus according to claim  
17 14 wherein the retaining means is adapted to  
18 release the roller cartridge from its operating  
19 position in the event of a power failure.

20

21 16. Surface cleaning apparatus according to  
22 claim 14 or 15, wherein the retaining means  
23 comprises an electromagnet and a magnet.

24

25 17. Surface cleaning apparatus according to  
26 claim 16, wherein a driving motor is provided  
27 to power the apparatus and wherein the  
28 electromagnet is selectively activated upon  
29 activation of said driving motor.

30

31 18. Surface cleaning apparatus according to any of  
32 claims 7 to 17, wherein two inclined slots are

1 provided in each wall of the base unit, said  
2 slots being laterally offset with respect to  
3 each other.